Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071322\
Data File : BG054271.D
Acq On : 13 Jul 2022 13:22
Operator : CG/JU
Sample : N3214-01
Misc : LOD-MDL-SOIL 8ppm
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 13 13:58:47 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 13 12:11:21 2022
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 07/14/2022
Supervised By :Jagrut Upadhyay 07/14/2022

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	8.038	152	18159	20.000	ng		0.00
21) Naphthalene-d8	10.847	136	66017	20.000	ng	#	0.00
39) Acenaphthene-d10	14.666	164	54231	20.000	ng		0.00
64) Phenanthrene-d10	17.416	188	149173	20.000	ng	#	0.00
76) Chrysene-d12	21.687	240	189736	20.000	ng	#	0.00
86) Perylene-d12	24.919	264	201672	20.000	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.606	112	95883	106.084	ng		0.00
7) Phenol-d6	7.198	99	132079	105.950	ng		-0.01
23) Nitrobenzene-d5	9.196	82	101163	83.157	ng		-0.01
42) 2,4,6-Tribromophenol	16.158	330	130844	124.553	ng		0.00
45) 2-Fluorobiphenyl	13.291	172	318451	86.282	ng		0.00
79) Terphenyl-d14	20.019	244	742503	80.473	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.485	88	2484	6.284	ng	#	83
3) Pyridine	3.890	79	5368	5.437	ng	#	85
4) n-Nitrosodimethylamine	3.808	42	3255	6.526	ng	#	80
6) Aniline	7.363	93	10561	7.207	ng		91
8) 2-Chlorophenol	7.604	128	7300	7.206	ng		87
9) Benzaldehyde	7.175	77	6258	8.360	ng	#	67
10) Phenol	7.228	94	7867	6.255	ng		83
11) bis(2-Chloroethyl)ether	7.451	93	6056	6.529	ng		91
12) 1,3-Dichlorobenzene	7.927	146	8753m	7.116	ng		
13) 1,4-Dichlorobenzene	8.068	146	9163	7.269	ng		97
14) 1,2-Dichlorobenzene	8.391	146	8832	7.297	ng		90
15) Benzyl Alcohol	8.273	79	6627	6.594	ng		96
16) 2,2'-oxybis(1-Chloropr...	8.561	45	7629	5.923	ng		98
17) 2-Methylphenol	8.485	107	5891	6.555	ng		90
18) Hexachloroethane	9.120	117	3170	7.392	ng	#	69
19) n-Nitroso-di-n-propyla...	8.838	70	5700	6.698	ng	#	94
20) 3+4-Methylphenols	8.814	107	7879	6.249	ng		94
22) Acetophenone	8.855	105	10739	6.731	ng	#	95
24) Nitrobenzene	9.237	77	8850	7.400	ng		95
25) Isophorone	9.760	82	15304	6.954	ng	#	91
26) 2-Nitrophenol	9.966	139	4098	6.955	ng	#	79
27) 2,4-Dimethylphenol	10.013	122	6653	8.072	ng		92
28) bis(2-Chloroethoxy)met...	10.242	93	8161	7.285	ng		98
29) 2,4-Dichlorophenol	10.500	162	8368	7.005	ng		88
30) 1,2,4-Trichlorobenzene	10.718	180	11015	7.474	ng	#	95
31) Naphthalene	10.894	128	23306	7.020	ng		95
32) Benzoic acid	10.171	122	2065	6.157	ng	#	51
33) 4-Chloroaniline	11.006	127	9512	6.890	ng		97
34) Hexachlorobutadiene	11.182	225	9702	7.934	ng		98
35) Caprolactam	11.746	113	2192	6.444	ng	#	45
36) 4-Chloro-3-methylphenol	12.128	107	7653	6.659	ng	#	81
37) 2-Methylnaphthalene	12.498	142	17765	6.983	ng		95
38) 1-Methylnaphthalene	12.715	142	17148m	6.942	ng		
40) 1,2,4,5-Tetrachloroben...	12.868	216	17416	7.912	ng	#	94
41) Hexachlorocyclopentadiene	12.850	237	1547	2.810	ng		85
43) 2,4,6-Trichlorophenol	13.109	196	8869	7.015	ng		91

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	13.185	196	8993	6.503	ng	#	91
46) 1,1'-Biphenyl	13.503	154	27171	7.451	ng		97
47) 2-Chloronaphthalene	13.550	162	21554	7.070	ng		97
48) 2-Nitroaniline	13.744	65	5244	6.078	ng		90
49) Acenaphthylene	14.390	152	33796	7.307	ng		98
50) Dimethylphthalate	14.114	163	29559	6.942	ng	#	95
51) 2,6-Dinitrotoluene	14.237	165	6553	7.081	ng	#	78
52) Acenaphthene	14.731	154	19629	7.017	ng		96
53) 3-Nitroaniline	14.566	138	5075	6.186	ng	#	92
54) 2,4-Dinitrophenol	14.789	184	1446	3.332	ng	#	74
55) Dibenzofuran	15.066	168	35714	7.269	ng		98
56) 4-Nitrophenol	14.895	139	3029	5.747	ng	#	81
57) 2,4-Dinitrotoluene	15.030	165	9143	6.823	ng	#	82
58) Fluorene	15.712	166	28697	7.030	ng		90
59) 2,3,4,6-Tetrachlorophenol	15.301	232	9359	6.757	ng	#	80
60) Diethylphthalate	15.477	149	28201	6.791	ng		95
61) 4-Chlorophenyl-phenyle...	15.700	204	19760	7.621	ng	#	88
62) 4-Nitroaniline	15.729	138	5343	6.236	ng		91
63) Azobenzene	15.994	77	20386	6.514	ng		81
65) 4,6-Dinitro-2-methylph...	15.800	198	4331	4.935	ng	#	68
66) n-Nitrosodiphenylamine	15.912	169	26130	6.945	ng		91
67) 4-Bromophenyl-phenylether	16.599	248	14687	7.382	ng	#	89
68) Hexachlorobenzene	16.728	284	16658	7.335	ng	#	89
69) Atrazine	16.858	200	13066	7.863	ng		94
70) Pentachlorophenol	17.075	266	4515	4.949	ng		91
71) Phenanthrene	17.457	178	52358	7.017	ng		97
72) Anthracene	17.545	178	53500	7.321	ng		98
73) Carbazole	17.815	167	44810	7.241	ng		98
74) Di-n-butylphthalate	18.368	149	48457	6.613	ng		98
75) Fluoranthene	19.466	202	72736	7.168	ng		97
77) Benzidine	19.637	184	35268	10.589	ng		98
78) Pyrene	19.825	202	74354	6.809	ng		98
80) Butylbenzylphthalate	20.706	149	21622	6.111	ng	#	83
81) Benzo(a)anthracene	21.664	228	86018	7.167	ng		97
82) 3,3'-Dichlorobenzidine	21.576	252	32441	8.843	ng	#	93
83) Chrysene	21.728	228	78652	6.929	ng		97
84) Bis(2-ethylhexyl)phtha...	21.564	149	33197	6.613	ng	#	99
85) Di-n-octyl phthalate	22.774	149	56441	6.531	ng	#	93
87) Indeno(1,2,3-cd)pyrene	28.626	276	104603	6.895	ng	#	99
88) Benzo(b)fluoranthene	23.890	252	89252	7.463	ng	#	99
89) Benzo(k)fluoranthene	23.955	252	86203	7.266	ng	#	97
90) Benzo(a)pyrene	24.766	252	84782	8.286	ng	#	96
91) Dibenzo(a,h)anthracene	28.679	278	91993	7.402	ng	#	93
92) Benzo(g,h,i)perylene	29.778	276	91304	7.365	ng	#	88

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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